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AN - 1993-277752 [35]

A - [001] 017 03- 032 05- 06- 07& 08& 09& 09- 10& 10- 15- 17& 17- 19-
20& 20- 229 231 308 310 311 314 316 344 346 347 371 376 38- 393 431
433 434 45& 456 473 477 59& 654 721
- [002] 017 03- 032 231 314 359 371 376 41& 473 672

AP - JP19920029901 19920122

CPY - NIOF

DC - A26 A35 A95

DR - 1247-U 1520-U 1949-U 1966-U

FS - CPI

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; B29L30/00

KS - 0009 0069 0072 0075 0078 0138 0141 0144 0147 0150 0153 0165 0168 0171
0183 0186 0189 0205 0222 0229 1306 2020 2073 2147 2152 2198 2216 2218
2220 2315 2318 2344 2423 2424 2426 2470 2493 2826 3269

MC - A06-A00E A08-M03 A11-C02A1 A11-C04E A12-T01

PA - (NIOF) NIPPON OILS & FATS CO LTD

PN - JP5192930 A 19930803 DW199335 B29C33/04 005pp

PR - JP19920029901 19920122

XA - C1993-123666

XIC - B29C-033/04 ; B29C-033/64 ; B29C-035/04 ; B29D-030/00 ; B29K-021/00 ;
B29K-105/24 ; B29L-030/00

AB - J05192930 Bladder is corona-treated under 5 - 50 KV and at an output
frequency of 5 - 50 KHz and coated with a release compsn. contg.
mainly silicone rubber.

- The corona discharge is carried out in air at a distance between the
electrode and the bladder surface of 0.1 - 150 mm. The silicone rubber
is prepd. by polymerising dimethylsiloxane or diethylsiloxane pref. in
moistened air to form 3-dimensionally crosslinked polymer. The
treatment is carried out by cleaning the bladder surface by brushing,
washing with a solvent or air-blowing, corona discharging the surface
picked up through a high frequency wave generator and a transformer
between the electrode and the counter electrode of the bladder surface
and coating the surface with the releasing agent by spraying or
brushing. The releasing agent comprises 12 - 40 pts. wt. silicone
rubber, 0 - 35 pts. wt. micropowdered silicone resin, 0 - 35 pts. wt.
inorganic powder (e.g. natural or synthetic mica, kaolin, powdered
ZnO, powdered SiC or powdered TiO₂) and 18 - 85 pts. wt. diluent.

- ADVANTAGE - The corona discharge treatment improves the adhesion of
the release agent to the bladder surface and markedly increases the
vulcanisation frequency. (Dwg.0/0)

IW - BLADDER VULCANISATION FORMING TYRE CORONA DISCHARGE TREAT COATING
RELEASE COMPOSITION CONTAIN MAINLY SILICONE RUBBER

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NC - 001

OPD - 1992-01-22

ORD - 1993-08-03

PAW - (NIOF) NIPPON OILS & FATS CO LTD

T1 - Bladder for vulcanising formed tyre - is corona discharge treated and
then coated with release compsn. contg. mainly silicone rubber

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